

ABSTRACT

An exhaust gas recirculation device includes: an exhaust gas recirculation passage of an engine; an EGR cooler provided within this exhaust gas recirculation passage; a bypass passage connected between the upstream and the downstream sides of the EGR cooler in the exhaust gas recirculation passage; an EGR valve provided within the exhaust gas recirculation passage on the downstream side of the EGR cooler; a bypass valve for opening and closing the bypass passage; and a valve controlling unit determining the timing period of flowing the high-temperature exhaust gas diverted from the EGR cooler into the EGR valve, and switchingly controlling the bypass valve such that during the timing period, the high-temperature exhaust gas is diverted from the EGR cooler and flown into the EGR valve through the bypass passage, and except during the timing period, the high-temperature exhaust gas is flown into the EGR valve to be circulated.